

**Charge to Production Readiness Review Committee
on the Layer 2-5 Sensors
for the DZero Run IIb Silicon Sub-Project**

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The Committee is requested to review the overall readiness for placing the production order for the outer layer sensors for the DZero Run IIb silicon detector. In particular, the project is requesting that the Committee evaluate the following items:

- Whether the sensor specifications meet the technical requirements for Run IIb, recommending any changes that may be necessary. This should include, but not be limited to, consideration of results from radiation testing.
- The completeness and viability of the quality assurance program the project has in place to qualify the production-version outer layer sensors, including a review of:
 - Soundness of the logistics of the testing and qualification plan;
 - Technical specifications and criteria for quality assurance;
 - Adequacy of the resources, both labor and equipment, that have been requested in the project plan for testing and QA. Included here should be an evaluation as to whether the throughput of qualified sensors will be adequate to maintain the project schedule;
 - The adequacy of the plans for logging data from sensor testing.
- The overall technical readiness for placing the order, and the procurement readiness and strategy. If the Committee has any reservations here, it is requested that they describe what additional work should be done in order to meet proper readiness criteria.
- The outer layer sensors for both CDF and DZero are being produced in series, on a very tight schedule, at the same vendor. The Committee is being asked to provide an opinion on whether the resulting vendor load and schedule should be of any concern.

The review date has been set for Thursday, March 6 at Fermilab. As time is particularly tight, I would like to ask that the Committee submit a report summarizing their findings to me by Friday, March 14.

Once again, thank you very much. The contribution of your time and expertise is very much appreciated.